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Roll No ....

MCADD-703

M.C.A. (Dual Degree/Integrated Course), VII Semester

Examination, November 2018

File Structures

Time : Three Hours

Maximum Marks : 70

Note: i) Attempt any five questions.

ii) All questions carry equal marks.

1. a) Write down the strength and weakness of CD-ROMS. 7

    b) Discuss the method to open, read and write and closing the files in C.   7

2. a) Explain briefly the organization of storage disks with diagram.   7

    b) What are magnetic tapes? Where they are used? How is it different with disk?   7

3. a) What is an I/O buffer? What is its use? Explain.   7

    b) Define structure in 'C'? Give an example of a structure with the help of 'C' code.   7

4. a) Explain the concept of space fragmentation.   7

    b) What is Data Compression? Discuss its types with example.   7

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5. a) How can we reaction space dynamically?   7

   b) What do you understand by storage compaction?   7

6. a) What is an Index? Discuss the basic operations on an indexed, entry sequenced file?   7

   b) Define B+ tree. Write down its properties? Give an example and draw B+ tree.   7

7. a) What do you understand by Hashing? Define hashing functions and record distribution?   7

   b) Explain collision resolution by progressive overflow.   7

8. Write short notes: 14

   i) Hashing files on CD-ROM

   ii) Retrieving record by keys

   iii) Record in C

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